

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): David Jon Hiner et al.

Assignee: Amkor Technology, Inc.

Title: SEMICONDUCTOR PACKAGE INCLUDING TOP-SURFACE
TERMINALS FOR MOUNTING ANOTHER SEMICONDUCTOR
PACKAGE

Serial No.: 10/806,640 Filed: March 23, 2004

Examiner: Carl J. Arbes Group Art 3729
Unit:

Docket No.: G0092-6P

Monterey, CA
June 14, 2006

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
UNDER §1.97

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant(s) wish to call the following documents (a copy of each non-US Patent document is enclosed) to the attention of the Examiner.

At a minimum, this Information Disclosure Statement should be placed in the file pursuant to 37 C.F.R. § 1.97(i).

U.S. PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	NAME
1)	3,868,724	02/25/75	Perrino
2)	3,916,434	10/28/75	Garboushian
3)	4,532,419	07/30/85	Takeda
4)	4,642,160	02/10/87	Burgess
5)	4,706,167	11/10/87	Sullivan
6)	4,716,049	12/29/87	Patraw
7)	4,786,952	11/22/88	MacIver et al.
8)	4,897,338	01/30/90	Spicciati et al.

9)	4,905,124	02/27/90	Banjo et al.
10)	4,964,212	10/23/90	Deroux-Dauphin et al.
11)	4,974,120	11/27/90	Kodai et al.
12)	4,996,391	02/26/91	Schmidt
13)	5,081,520	01/14/92	Yoshii et al.
14)	5,108,553	04/28/92	Foster et al.
15)	5,110,664	05/05/92	Nakanishi et al.
16)	5,247,429	09/21/93	Iwase et al.
17)	5,283,459	02/01/94	Hirano et al.
18)	5,371,654	12/06/94	Beaman et al.
19)	5,379,191	01/03/95	Carey et al.
20)	5,463,253	10/31/95	Waki et al.
21)	5,474,957	12/12/95	Urushima
22)	5,474,958	12/12/95	Djennas et al.
23)	5,530,288	06/25/96	Stone
24)	5,531,020	07/02/96	Durand et al.
25)	5,574,309	11/12/96	Papapietro et al.
26)	5,581,498	12/03/96	Ludwig et al.
27)	5,582,858	12/10/96	Adamopoulos et al.
28)	5,616,422	04/01/97	Ballard et al.
29)	5,637,832	06/10/97	Danner
30)	5,674,785	10/07/97	Akram et al.
31)	5,719,749	02/17/98	Stopperan
32)	5,739,581	04/14/98	Chillara
33)	5,739,585	04/14/98	Akram et al.
34)	5,739,588	04/14/98	Ishida et al.
35)	5,742,479	04/21/98	Asakura
36)	5,784,259	07/21/98	Asakura
37)	5,798,014	08/25/98	Weber
38)	5,822,190	10/13/98	Iwasaki
39)	5,826,330	10/27/98	Isoda et al.
40)	5,835,355	11/10/98	Dordi
41)	5,894,108	04/13/99	Mostafazadeh et al.
42)	5,903,052	05/11/99	Chen et al.

43)	5,936,843	08/10/99	Ohshima et al.
44)	5,952,611	09/14/99	Eng et al.
45)	6,004,619	12/21/99	Dippon et al.
46)	6,013,948	01/11/00	Akram et al.
47)	6,021,564	02/08/00	Hanson
48)	6,028,364	02/22/00	Ogino et al.
49)	6,034,427	03/07/00	Lan et al.
50)	6,040,622	03/21/00	Wallace
51)	6,060,778	05/09/00	Jeong et al.
52)	6,069,407	05/30/00	Hamzehdoost
53)	6,072,243	06/06/00	Nakanishi
54)	6,119,338	09/19/00	Wang et al.
55)	6,122,171	09/19/00	Akram et al.
56)	6,127,833	10/03/00	Wu et al.
57)	6,160,705	12/12/00	Stearns et al.
58)	6,172,419	01/09/01	Kinsman
59)	6,184,463	02/06/01	Panchou et al.
60)	6,214,641	04/10/01	Akram
61)	6,235,554	05/22/01	Akram et al.
62)	6,274,821	08/14/01	Echigo et al.
63)	6,280,641	08/28/01	Gaku et al.
64)	6,316,285	11/13/01	Jiang et al.
65)	6,353,999	03/12/02	Cheng
66)	6,392,160	05/21/02	Andry et al.
67)	6,395,578	05/28/02	Shin et al.
68)	6,405,431	06/18/02	Shin et al.
69)	6,406,942	06/18/02	Honda
70)	6,407,341	06/18/02	Anstrom et al.
71)	6,407,930	06/18/02	Hsu
72)	6,451,509	09/17/02	Keesler et al.
73)	6,479,762	11/12/02	Kusaka
74)	6,497,943	12/24/02	Jimarez et al.
75)	6,517,995	02/11/03	Jacobson et al.
76)	6,534,391	03/18/03	Huemoeller et al.

77)	6,544,638	04/08/03	Fischer et al.
78)	6,586,682	07/01/03	Strandberg
79)	6,660,559	12/09/03	Huemoeller et al.
80)	6,715,204	04/06/04	Tsukada et al.
81)	6,727,645	04/27/04	Tsujimura et al.
82)	6,730,857	05/04/04	Konrad et al.
83)	6,753,612	06/22/04	Adae-Amoakoh et al.
84)	6,787,443	09/07/04	Boggs et al.
85)	6,803,528	10/12/04	Koyanagi
86)	6,815,709	11/09/04	Clothier et al.
87)	6,815,739	11/09/04	Huff et al.
88)	2002/0017712	02/14/02	Bessho et al.
89)	2003/0128096	07/10/03	Mazzochette
90)	D445,096	07/17/01	Wallace
91)	D446,525	08/14/01	Okamoto et al.

FOREIGN DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY
1)	JP 05-109975	04/30/93	Japan
2)	JP 05-136323	06/01/93	Japan
3)	JP 07-017175	01/20/95	Japan
4)	JP 08-190615	07/23/96	Japan
5)	JP 10-334205	12/18/98	Japan

OTHER DOCUMENTS

1)	IBM Technical Disclosure Bulletin, "Microstructure Solder Mask by Means of a Laser", Vol. 36, Issue 11, p.589, Nov. 1, 1993. (NN9311589).
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A PTO form 1449 listing these documents is enclosed. The relevance of the non-English language documents is set forth in the enclosed English translations.

Citation of the above documents shall not be construed as:

1. an admission that the documents are necessarily prior art with respect to the instant invention;

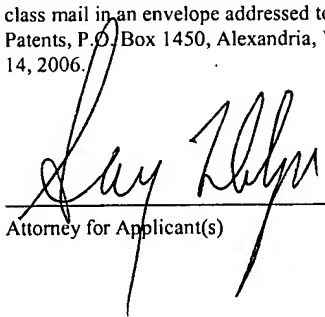
2. a representation that a search has been made, other than as described above; or

3. an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

The Commissioner is hereby authorized to charge any fees required for consideration of this Information Disclosure Statement, and to credit any overpayment of fees to Deposit Account No. 50-0553.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 14, 2006.

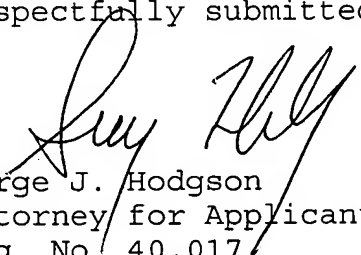


Attorney for Applicant(s)

June 14, 2006

Date of Signature

Respectfully submitted,


Serge J. Hodgson
Attorney for Applicant(s)
Reg. No. 40,017
(831) 655-0880

Form PTO-1449

Atty Docket No.

Serial No.

G0092-6P

10/806,640

**INFORMATION DISCLOSURE CITATION
IN AN APPLICATION**

Applicant(s)

David Jon Hiner et al.

Filing Date

March 23, 2004

Group

3729

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	3,868,724	02/25/75	Perrino	357	65	
	AB	3,916,434	10/28/75	Garboushian	357	74	
	AC	4,532,419	07/30/85	Takeda	235	492	
	AD	4,642,160	02/10/87	Burgess	156	630	
	AE	4,706,167	11/10/87	Sullivan	361	406	
	AF	4,716,049	12/29/87	Patraw	427	96	
	AG	4,786,952	11/22/88	MacIver et al.	357	23.4	
	AH	4,897,338	01/30/90	Spicciati et al.	430	314	
	AI	4,905,124	02/27/90	Banjo et al.	361	395	
	AJ	4,964,212	10/23/90	Deroux-Dauphin et al.	29	852	
	AK	4,974,120	11/27/90	Kodai et al.	361	392	
	AL	4,996,391	02/26/91	Schmidt	174	255	
	AM	5,081,520	01/14/92	Yoshii et al.	357	80	
	AN	5,108,553	04/28/92	Foster et al.	205	125	
	AO	5,110,664	05/05/92	Nakanishi et al.	428	195	
	AP	5,247,429	09/21/93	Iwase et al.	362	29	

FOREIGN PATENT DOCUMENTS

							Translation	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AQ	JP 05-109975	04/30/93	Japan			x	
	AR	JP 05-136323	06/01/93	Japan			x	
	AS	JP 07-017175	01/20/95	Japan			x	
	AT	JP 08-190615	07/23/96	Japan			x	
	AU	JP 10-334205	12/18/98	Japan			x	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AV	IBM Technical Disclosure Bulletin, "Microstructure Solder Mask by Means of a Laser", Vol. 36, Issue 11, p.589, Nov. 1, 1993. (NN9311589).
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Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Form PTO-1449				Atty Docket No. G0092-6P		Serial No. 10/806,640	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION				Applicant(s) David Jon Hiner et al.			
(Use several sheets if necessary)				Filing Date March 23, 2004		Group 3729	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	AA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,283,459	02/01/94	Hirano et al.	257	419	
	AB	5,371,654	12/06/94	Beaman et al.	361	744	
	AC	5,379,191	01/03/95	Carey et al.	361	777	
	AD	5,463,253	10/31/95	Waki et al.	257	724	
	AE	5,474,957	12/12/95	Urushima	437	209	
	AF	5,474,958	12/12/95	Djennas et al.	437	211	
	AG	5,530,288	06/25/96	Stone	257	700	
	AH	5,531,020	07/02/96	Durand et al.	29	840	
	AI	5,574,309	11/12/96	Papapietro et al.	257	679	
	AJ	5,581,498	12/03/96	Ludwig et al.	365	63	
	AK	5,582,858	12/10/96	Adamopoulos et al.	427	96	
	AL	5,616,422	04/01/97	Ballard et al.	428	621	
	AM	5,637,832	06/10/97	Danner	174	260	
	AN	5,674,785	10/07/97	Akram et al.	437	217	
	AO	5,719,749	02/17/98	Stopperan	361	769	
	AP	5,739,581	04/14/98	Chillara	257	668	
	AQ	5,739,585	04/14/98	Akram et al.	257	698	
	AR	5,739,588	04/14/98	Ishida et al.	257	782	
	AS	5,742,479	04/21/98	Asakura	361	737	
	AT	5,784,259	07/21/98	Asakura	361	752	

FOREIGN PATENT DOCUMENTS								
							Translation	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AU							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
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	AB	5,822,190	10/13/98	Iwasaki	361	737	
	AC	5,826,330	10/27/98	Isoda et al.	29	852	
	AD	5,835,355	11/10/98	Dordi	361	760	
	AE	5,894,108	04/13/99	Mostafazadeh et al.	174	52.4	
	AF	5,903,052	05/11/99	Chen et al.	257	706	
	AG	5,936,843	08/10/99	Ohshima et al.	361	760	
	AH	5,952,611	09/14/99	Eng et al.	174	52.4	
	AI	6,004,619	12/21/99	Dippon et al.	427	97	
	AJ	6,013,948	01/11/00	Akram et al.	257	698	
	AK	6,021,564	02/08/00	Hanson	29	852	
	AL	6,028,364	02/22/00	Ogino et al.	257	778	
	AM	6,034,427	03/07/00	Lan et al.	257	698	
	AN	6,040,622	03/21/00	Wallace	257	679	
	AO	6,060,778	05/09/00	Jeong et al.	257	710	
	AP	6,069,407	05/30/00	Hamzehdoost	257	774	
	AQ	6,072,243	06/06/00	Nakanishi	257	783	
	AR	6,119,338	09/19/00	Wang et al.	29	852	
	AS	6,122,171	09/19/00	Akram et al.	361	704	
	AT	6,127,833	10/03/00	Wu et al.	324	755	

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	AC	6,184,463	02/06/01	Panchou et al.	174	52.4		
	AD	6,214,641	04/10/01	Akram	438	107		
	AE	6,235,554	05/22/01	Akram et al.	438	109		
	AF	6,274,821	08/14/01	Echigo et al.	174	255		
	AG	6,280,641	08/28/01	Gaku et al.	216	17		
	AH	6,316,285	11/13/01	Jiang et al.	438	106		
	AI	6,353,999	03/12/02	Cheng	29	852		
	AJ	6,392,160	05/21/02	Andry et al.	174	261		
	AK	6,395,578	05/28/02	Shin et al.	438	106		
	AL	6,405,431	06/18/02	Shin et al.	29	852		
	AM	6,406,942	06/18/02	Honda	438	119		
	AN	6,407,341	06/18/02	Anstrom et al.	174	255		
	AO	6,407,930	06/18/02	Hsu	361	784		
	AP	6,451,509	09/17/02	Keesler et al.	430	311		
	AQ	6,479,762	11/12/02	Kusaka	174	261		
	AR	6,497,943	12/24/02	Jimarez et al.	428	209		
	AS	6,517,995	02/11/03	Jacobson et al.	430	320		
	AT	6,534,391	03/18/03	Huemoeller et al.	438	612		
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	AC	6,660,559	12/09/03	Huemoeller et al.	438	106	
	AD	6,715,204	04/06/04	Tsukada et al.	29	847	
	AE	6,727,645	04/27/04	Tsujimura et al.	313	504	
	AF	6,730,857	05/04/04	Konrad et al.	174	257	
	AG	6,753,612	06/22/04	Adae-Amoakoh et al.	257	774	
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	AI	6,803,528	10/12/04	Koyanagi	174	262	
	AJ	6,815,709	11/09/04	Clothier et al.	257	40	
	AK	6,815,739	11/09/04	Huff et al.	257	275	
	AL	2002/0017712	02/14/02	Bessho et al.	257	700	
	AM	2003/0128096	07/10/03	Mazzochette	338	22	
	AN	D445,096	07/17/01	Wallace	D14	117	
	AO	D446,525	08/14/01	Okamoto et al.	D14	436	
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	AQ						
	AR						
	AS						
	AT						

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